CLAIMS

What is claimed is:

1. A peaking preventing automatic gain controller (AGC) for amplifying a signal reproduced from an optical disc to a signal having a peak-to-peak voltage of a uniform magnitude and for generating the amplified signal as an output signal, in an optical disc reproducing system, the AGC comprising:

a capacitor charged to a control voltage corresponding to a control current;

an amplifier for inputting the optical disc reproducing signal as an input signal, amplifying the input signal by a gain corresponding to the control voltage, and generating the amplified input signal as the output signal;

a peak detector for detecting a peak voltage in the output signal;

a gm amplifier for converting the peak voltage detected by the peak detector into current and generating the converted current as the control current; and

a peaking controller for preventing the capacitor from being charged by the control current in a defect section in the input signal, in response to a peaking control signal,

2. The peaking preventing AGC of claim 1 wherein the peaking controller prevents charging of the capacitor for maintaining the control voltage in the defect section to be the same as the control voltage prior to the defect section.

3. The peaking preventing AGC of claim 1, further comprising a high-pass filter for transmitting only a component higher than a predetermined frequency in the output signal output to the peak detector.

4. The peaking preventing AGC of claim 1, wherein the peaking controller comprises a switch turned on and off in response to the peaking control signal, the switch for preventing the capacitor from being charged by the control current during the defect section.

5. A method for preventing peaking generated due to a defect in an optical disc reproducing signal in an AGC for amplifying a signal reproduced by an optical disc to a signal having a peak-to-peak voltage of a uniform magnitude and generating the amplified signal as an output signal, in an optical disc reproducing system, the method comprising:

(a) determining whether a defect exists in the optical disc reproducing signal;

(b) amplifying the optical disc reproducing signal to an output signal having a peak-to-peak voltage of a uniform magnitude corresponding to a control voltage when it is determined that a defect does not exist;

(c) detecting a peak voltage of the output signal;

(d) converting the peak voltage into current and generating the converted current as control current;

(e) charging a capacitor to a voltage corresponding to the control current and generating the charged voltage as the control voltage; and

(f) maintaining the control voltage at a level prior to a defect section when it is determined in the step (a) that a defect exists in the optical disc reproducing signal.

6. The method of claim 4, wherein step (b) further comprises transmitting only frequencies higher than a predetermined frequency in the output signal.

7. The method of claim 4, further comprising activating and deactivating a switch in response to the determination of the existence of a defect in step (a), for preventing further charging of the capacitor by the control current when a defect exists.